

CASE NO. 6580

**EXHIBITS 2 - 21**

Conoco Inc.

April 18, 1991

SUMMARY OF NMOCD ORDERS AND APPROVALS

**Maljamar MCA Unit**

**2**

<u>Order No./Approval</u>	<u>Date</u>	<u>Description</u>
485	14Nov1942	Approved Maljamar Cooperative Repressuring Agreement (MCRA) and a pressure maintenance program by gas injection
595	18Mar1945	Approved method of allocating allowable production
Supplement 1 to MCRA	22Jul1944	Expanded area of MCRA
Supplement 2 to MCRA	25Oct1949	Control of operations vested in Operator's Committee
Supplement 3 to MCRA	16Nov1953	Further expanded area of MCRA
R-841	09Jul1956	Pilot waterflood
R-1075	23Oct1957	Expanded waterflood project
Supplement 4 to MCRA	01Dec1959	Consolidated previous supplements, changed name to Maljamar Cooperative Agreement (MCA) and named Continental Oil Co. chairman of Operator's Committee
Supplement 5 to MCA	24Sep1962	Unitization of Grayburg-San Andres reservoirs under MCA
R2403	31Dec1962	Approved Supplement 5 and Initial Plan of Operation (waterflood program).
R6157	30Oct1979	CO <sub>2</sub> injection pilot program
Revised Plan Operation	20Nov1987	Proposed Plan of Operation for expanded CO <sub>2</sub> injection project, approved by State and Federal agencies
PMX-153	13Jan1989	Expanded the CO <sub>2</sub> injection project
PMX-164	05Feb1991	Approved project expansion to include MCA 386, newly drilled CO <sub>2</sub> injection well

**EXHIBIT 2**

BEFORE EXAMINER OIL CONSERVATION DIVISION	
EXHIBIT NO.	<u>2</u>
CASE NO.	<u>6580</u>
Submitted by	<u>Conoco Inc.</u>
Hearing Date	<u>4-18-91</u>

SUPPLEMENTAL AND AMENDATORY AGREEMENT TO  
MALJAMAR COOPERATIVE AGREEMENT  
(Supplement No. 5)  
I Sec. No. 341

PLAN OF OPERATION

Mr. F. Cherry  
Bureau of Land Management  
1717 W. 2nd st.  
P.O. Box 1397  
Roswell, NM 88201

Mr. Floyd Prando  
Commissioner of Public Lands  
P.O. Box 1148  
Santa Fe, NM 87501

Gentlemen:

Conoco Inc., Operator for the MCA Unit, submits herein a revised Plan of Operation in accordance with Section X of the captioned agreement. This revised Plan of Operation calls for the addition of Enhanced Oil Recovery (EOR) techniques to the currently approved waterflood operations.

The Maljamar Cooperative Agreement (Supplement No. 5) contemplates that any one or more various EOR techniques may be undertaken with the objective of maintaining a desired rate of Participating Area production, utilizing the most efficient injection rates, pressures and well injection patterns calculated to most effectively recover the fully unitized substances within the fully unitized formations.

The Operator believes that the accomplishment of the foregoing objective will best be obtained by implementing EOR operations within the MCA Unit. The initial step in this program will consist of a CO<sub>2</sub> flood operation on less than all of the Participating Area which can be systematically extended to additional portions of the Unit in order to maintain the desired rate of production. The waterflood program will continue in those areas not affected by CO<sub>2</sub> operations.

In order to determine the most efficient injection rates, pressure and injection pattern for the recovery of the fully unitized substances, Operator conducted a 5-acre inverted 5-spot CO<sub>2</sub> Injection Pilot Test between 1981 and 1986. Actual CO<sub>2</sub> injection occurred between May and December 1983. Information obtained from the pilot provided a calibration basis for the miscible-flood simulator used for expansion predictions to develop field scale projections. These reservoir evaluations and predictions form the basis of the current proposal to progressively extend

EXHIBIT 3

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>3</u>
CASE NO. <u>6580</u>
Submitted by <u>Conoco Inc</u>
Hearing Date <u>4-18-91</u>

CO<sub>2</sub> flooding into 3920 acres of the 8040 acre MCA Unit. The CO<sub>2</sub> project is to be implemented in successive stages such that the sections with the longest operational life are started early, so that total project life is not uneconomically lengthened.

It is proposed that the initial stage of operation proceed as follows:

#### Drilling and Conversion of Wells for Injection

Initially, each affected well in the CO<sub>2</sub> flood area is to be worked over prior to CO<sub>2</sub> injection. The primary objectives of the well work are to complete all floodable CO<sub>2</sub> pay horizons, repair damaged well bores, and to install downhole equipment suitable for CO<sub>2</sub> injection and production. Pattern conversions from the current 80 acre inverted nine spot waterflood are envisioned. Pattern changes, and drilling and/or conversion of producers and injectors, will be implemented as conditions warrant in keeping with sound engineering principles.

First stage CO<sub>2</sub> injection will commence in early 1989 as the well work program progresses and the CO<sub>2</sub> facilities become operational. The MCA CO<sub>2</sub> Project is designed for continuous injection of CO<sub>2</sub> followed by a post flush water slug rather than alternating cycles of CO<sub>2</sub> and water injection.

#### Construct CO<sub>2</sub> Supply Line

A third-party constructed and owned CO<sub>2</sub> supply line to be extended to MCA in 1988 will traverse some 45 miles from the source point near Tatum in Lea County, NM to the MCA Unit. The line will be sized to adequately deliver a contract quantity of 50 MMCFD plus any reasonable additional demand requirements. Estimated purchased CO<sub>2</sub> requirements (180 BCF) for the project have been secured over a 10-15 year period.

#### Install Injection System

A new injection piping system will be installed to handle both CO<sub>2</sub> injection and subsequent post brine injection. The piping metallurgy initially can be bare carbon steel in long duration (17 years) CO<sub>2</sub> injection stages to be replaced with internally coated carbon steel for post brine injection. In short duration (4 years) CO<sub>2</sub> injection stages, internally coated carbon steel or cement lined piping will be used. The piping system is designed to handle maximum surface injection pressures of 2500 psi. Normal average surface injection pressure will be under 2200 psi.

As the CO<sub>2</sub> flood progresses, significant quantities of CO<sub>2</sub> appear in the produced gas. CO<sub>2</sub> recycle facilities will gather the high CO<sub>2</sub> content produced gas from the production batteries, and compress and dehydrate the gas for reinjection into the reservoir. The design of the CO<sub>2</sub> recycle

facility is based on complete recycle of all produced gas from the CO<sub>2</sub> flood areas. However, this system will be designed to allow future addition of hydrocarbon-CO<sub>2</sub> separation if this appears worthwhile.

The capability of installing additional compressors, should CO<sub>2</sub> injection exceed the current 50 MMCSFD design will be provided.

The CO<sub>2</sub> laden produced gas will be segregated from the waterflood produced gas at the MCA batteries and directed through a low pressure gas gathering system to the CO<sub>2</sub> recycle facility. The dehydrated, compressed (2200 psig) gas will be commingled with the purchased CO<sub>2</sub> and directed to the CO<sub>2</sub> injection system.

In order to monitor and control the progress of the CO<sub>2</sub> flood, both flow measurement and control of the CO<sub>2</sub> injection rates is provided at each satellite header.

#### Revised Production System

The current MCA production batteries in the CO<sub>2</sub> flood area will be modified to process the increased CO<sub>2</sub> flood production rates. As redesigned, the produced fluid from each production header flows to a dedicated processing train. After metering, each battery's water streams combine and flow to the associated water injection station and each battery's oil streams combine and flow to oil storage. The existing oil storage tanks and IACT unit at each battery are adequate for the CO<sub>2</sub> flood production rates. After metering, the vapor streams from each battery's tertiary production train(s) combine and flow to the CO<sub>2</sub> compression/dehydration facilities. The secondary vapor production flows to the Maljamar Gas Plant. The vapor recovery unit discharge can be directed to either the Maljamar Gas Plant or the CO<sub>2</sub> compression/dehydration facilities. Because of increased capacity and discharge pressure requirements, new vapor recovery units (VRU) will be planned for at each battery.

#### Future EOR Operations

This Plan of Operation is published to provide approval not only to do all things and perform all tasks necessary for CO<sub>2</sub> injection in particular, but also for all EOR techniques/projects in general which may be deemed advisable in the future. As spoken to in Article X of Supplement No. 5, the Commissioner and the Supervisor have authorized the Operator to "inject into the unitized formation, through any well or wells completed therein, brine, water, air, gas, oil or other liquid hydrocarbons, and any one or more other substances, whether produced from the Participating Area or not, and that the location of input wells and the rates of injection therein and the rate of production shall be governed by standards of good geologic and petroleum engineering practices and conservation methods."

Plan of Operation

Page 4

Conoco Inc., as Operator for the MCA Unit, commits the current on-going waterflood, proposed CO<sub>2</sub> flood, and future EOR projects to this Plan of Operation in keeping with sound engineering principles, regulatory requirements, environmental considerations, and conservation practices.



Conoco Inc., as Operator for the MCA Unit, commits the current on-going waterflood, proposed CO<sub>2</sub> flood, and future EOR projects to this Plan of Operation in keeping<sup>2</sup> with sound engineering principles, regulatory requirements, environmental considerations, and conservation practices.

APPROVED:

W. R. Humphries  
COMMISSIONER OF PUBLIC LANDS  
STATE OF NEW MEXICO

11-6-87  
DATE

NOV 13 1987

I-Sec. No. 341  
3180 (065)

Conoco Inc.  
Attention: R. E. Irelan  
726 East Michigan  
Hobbs, NM 88240

NOV 02 1987

Re: Maljamar Cooperative Repressuring Agreement  
Revised Plan of Operations

Gentlemen:

We are in receipt of your letter of October 12, 1987 in which you submitted your revised Plan of Operations for the Maljamar Cooperative Repressuring Agreement. These plans are hereby approved on this date.

As always, all wells drilled must be approved prior to drilling by the BLM Carlsbad Resource Area Office; please comply. Also, this office requires that you submit detailed maps of operations and all injection and producing wells at each successive stage of your Plan of Operations.

If you have any questions please contact the Branch of Fluid Minerals at (505) 622-9042.

Sincerely,

ORIG. SIGNED RICHARD W. MELTON

Joe C. Lara  
Assistant District Manager,  
Minerals

FOR

1 Enclosure  
1 - Plan of Operations

cc:  
Commissioner of Public Lands  
NM (065, B. Lopez)  
NM (067)

*Handwritten:* 12-21-87

NOTED: B. LOPEZ

EXHIBIT 5

BEFORE EXAMINER OIL CONSERVATION DIVISION	
EXHIBIT NO.	<u>5</u>
CASE NO.	<u>6580</u>
Submitted by	<u>Conoco Inc</u>
Hearing Date	<u>4-18-91</u>

Plan of Operation  
Page 4

Conoco Inc., as Operator for the MCA Unit, commits the current on-going waterflood, proposed CO<sub>2</sub> flood, and future EOR projects to this Plan of Operation in keeping with sound engineering principles, regulatory requirements, environmental considerations, and conservation practices.

APPROVED:

*acting* Richard W. Mutt  
SUPERVISOR  
BUREAU OF LAND MANAGEMENT  
DEPARTMENT OF INTERIOR

11-2-87  
DATE



R. E. Irelan  
Division Manager  
Production Department  
Hobbs Division  
North American Production

Conoco Inc.  
P.O. Box 460  
728 East Michigan  
Hobbs, NM 88240  
(505) 393-4141

November 16, 1987

Mr. Jerry Sexton  
New Mexico Oil Conservation Division  
P.O. Box 1980  
Hobbs, NM 88240

Dear Mr. Sexton:

The MCA Unit Agreement requires approval by the Bureau of Land Management and the Commissioner of Public Lands in order to amend the Plan of Operation to permit the employment of Enhanced Oil Recovery techniques in the MCA Unit area. Conoco Inc. submitted a revised Plan of Operation to the above named agencies to allow a proposed CO<sub>2</sub> project to be initiated.

We received notice from the Commissioner of Public Lands on November 6, 1987 that the Commissioner is approving the revised Plan of Operation contingent to like approval of the Bureau of Land Management and also the New Mexico Oil Conservation Division.

Consequently, we request your review and concurrence on the attached Plan of Operation.

Yours very truly,

  
R. E. Irelan

CLT/dh  
Attachment

EXHIBIT 6

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>6</u>
CASE NO. <u>6580</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>4-18-91</u>

Conoco Inc., as Operator for the MCA Unit, commits the current on-going waterflood, proposed CO<sub>2</sub> flood, and future EOR projects to this Plan of Operation in keeping with sound engineering principles, regulatory requirements, environmental considerations, and conservation practices.

APPROVED:

  
\_\_\_\_\_  
SUPERVISOR  
NEW MEXICO OIL CONSERVATION DIVISION

11-20-87  
DATE

MCA UNIT STATUS - FEBRUARY 1991

	<u>Waterflood Area</u>	<u>CO<sub>2</sub> Project Area</u>	<u>Total Unit</u>
Number of Acres	6,120	1,920	8,040
Active Well Count:			
Producers	106	97	203
Injectors	48	20	68
Total	154	117	271
Production Rate			
Oil, BOPD	882	1,544	2,426
Water, BWPD	7,302	10,364	17,666
Gas, MMSCFD	0.8	2.1	2.9
Injection Rate			
Water, BWPD	16,970		
CO <sub>2</sub> Purchased, MMSCFD		20.6	
CO <sub>2</sub> Recycled, MMSCFD		2.1	
Total Gas, MMSCFD		22.7	
CO <sub>2</sub> Project Capital Investment, \$MM		19.0	

**EXHIBIT 7**

BEFORE EXAMINER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>7</u>	
CASE NO. <u>6580</u>	
Submitted by <u>Conoco Inc.</u>	
Hearing Date <u>4-18-91</u>	

ESTIMATED ULTIMATE OIL RECOVERY (EUR)

Maljamar MCA Unit, January 1, 1991

	<u>Cumulative</u> <u>MMSTB</u>	<u>EUR</u> <u>MMSTB</u>	<u>EUR</u> <u>%OOIP</u>	<u>No.</u> <u>ACRES</u>
Primary	49.3	49.3	18.2	8,040
Waterflood	51.6	64.6	23.8	8,040
CO <sub>2</sub> Project				
Stages 1 & 2	0.0	21.6	8.0	1,920
Expansion	<u>0.0</u>	<u>10.5</u>	<u>3.9</u>	<u>1,840</u>
	0.0	32.1	11.9	3,760
<b>TOTAL</b>	100.9	146.0	53.9	8,040

EXHIBIT 8

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>8</u>
CASE NO. <u>6580</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>4-18-91</u>

# MCA UNIT PERFORMANCE HISTORY 1963 THROUGH 1990

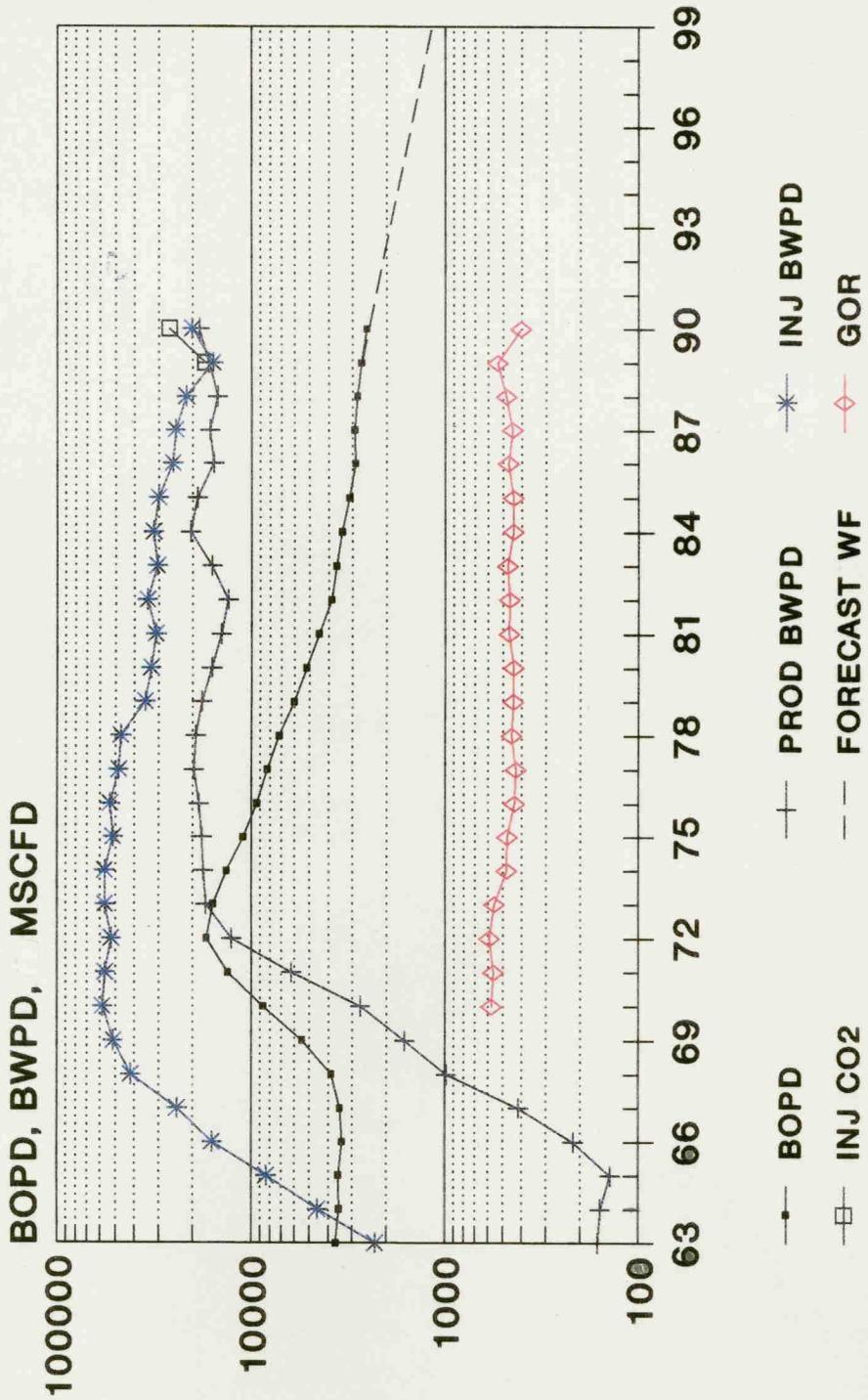


EXHIBIT 9

BEFORE EXAMINER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>9</u>	
CASE NO. <u>6580</u>	
Submitted by <u>Conoco Inc.</u>	
Hearing Date <u>4-18-91</u>	

MCA UNIT PROJECTED OIL PRODUCTION  
WITH STAGES 1 & 2 CO2 PROJECTS

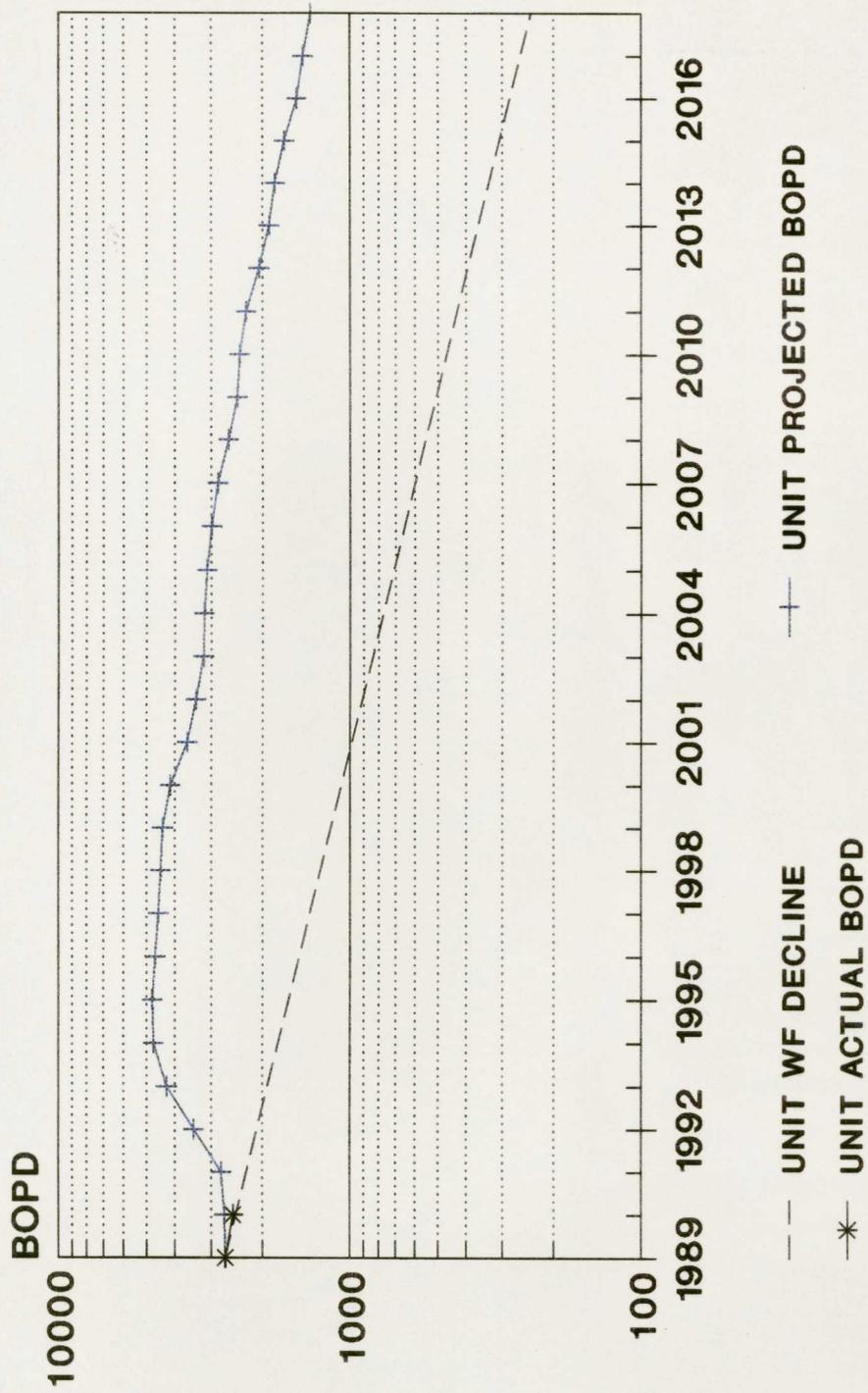


EXHIBIT 10

BEFORE EXAMINER  
OIL CONSERVATION DIVISION

EXHIBIT NO. 10

CASE NO. 6580

Submitted by Conoco Inc.

Hearing Date 4-18-91

# MCA CO2 INJECTION HISTORY STAGES 1 & 2

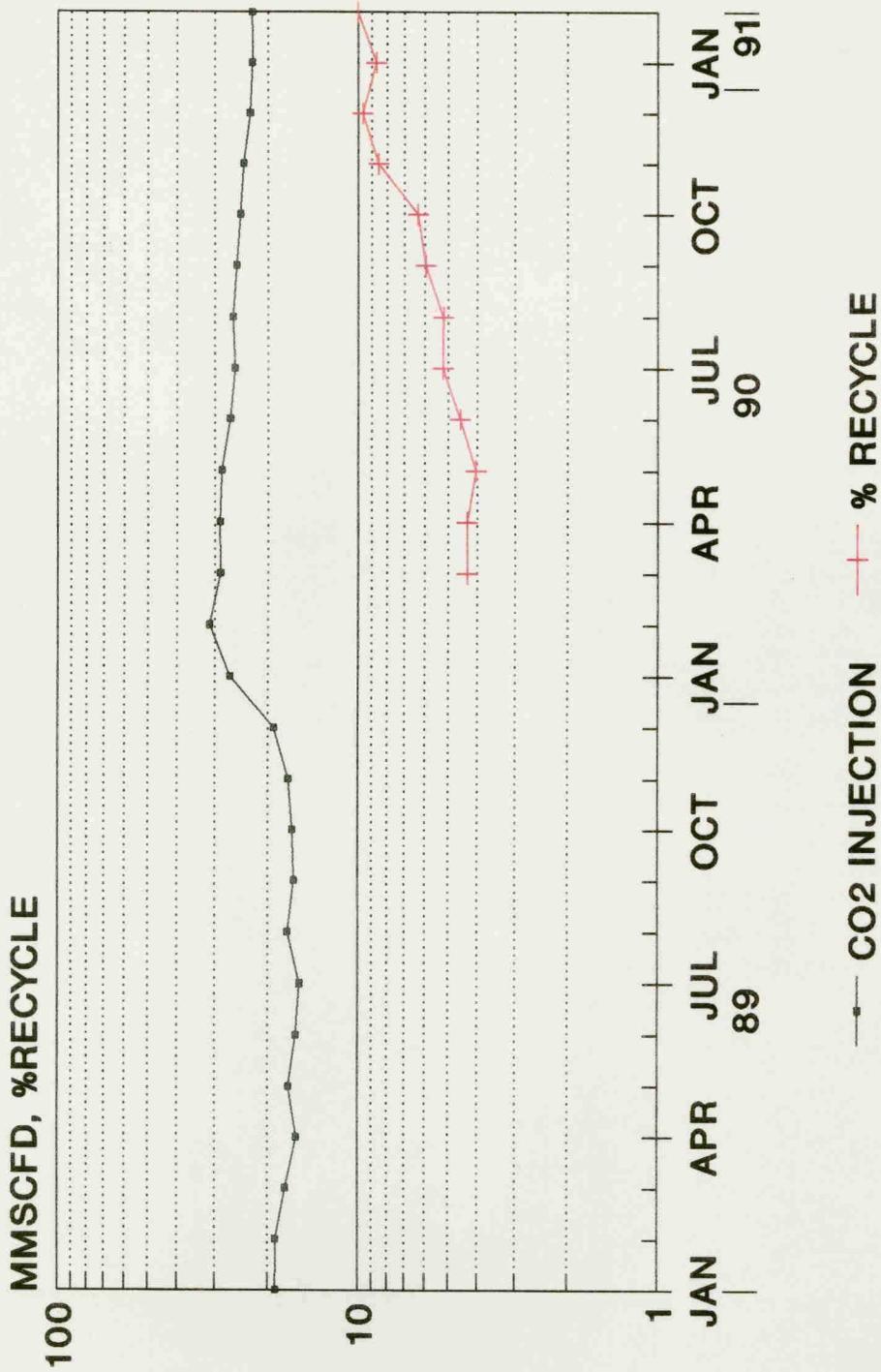
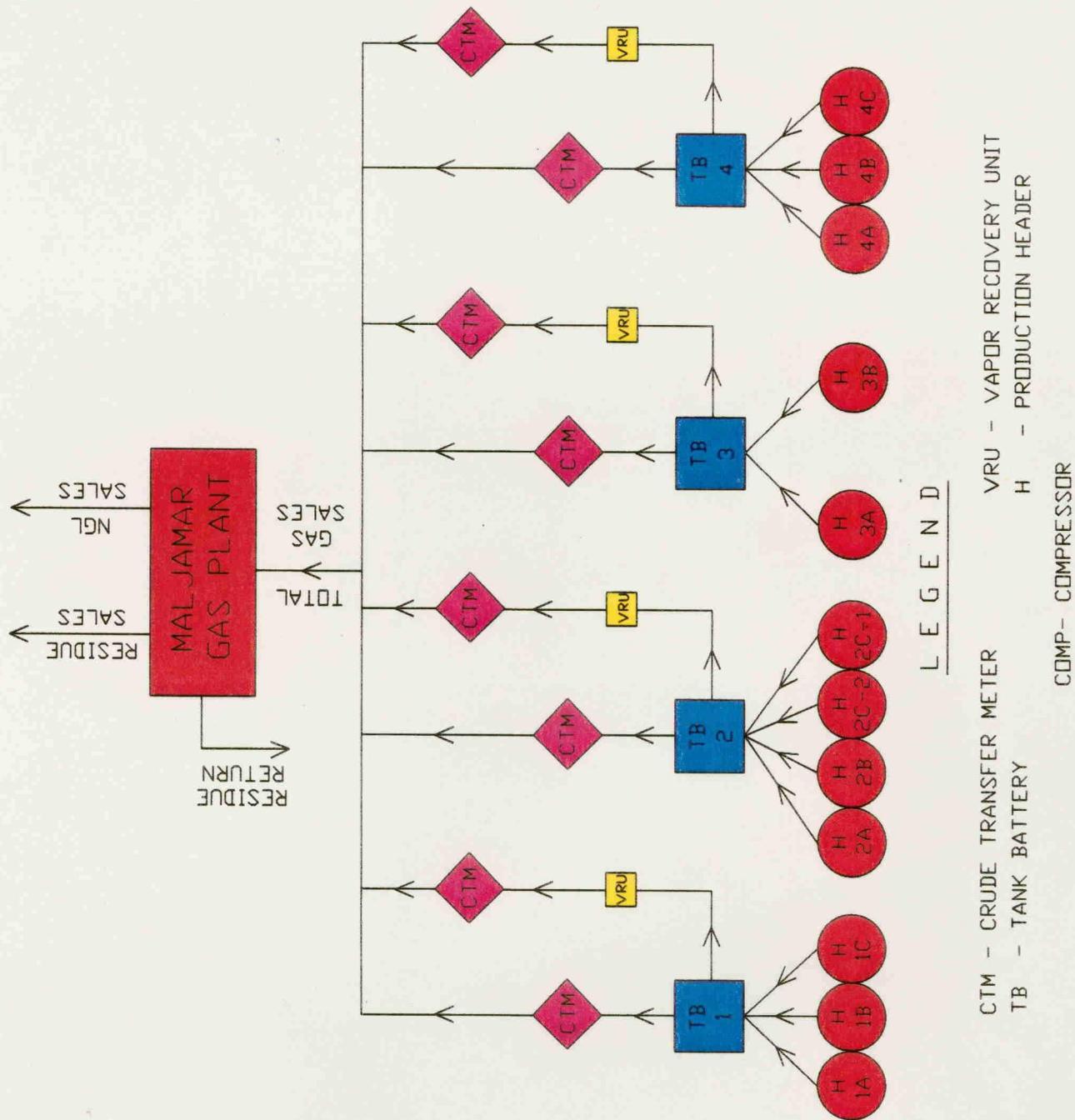


EXHIBIT 11

BEFORE EXAMINER OIL CONSERVATION DIVISION	
EXHIBIT NO. <u>11</u>	
CASE NO. <u>6580</u>	
Submitted by <u>Conoco Inc.</u>	
Hearing Date <u>4-18-91</u>	

MCA UNIT PRE-REINJECTION GAS SALES SCHEMATIC



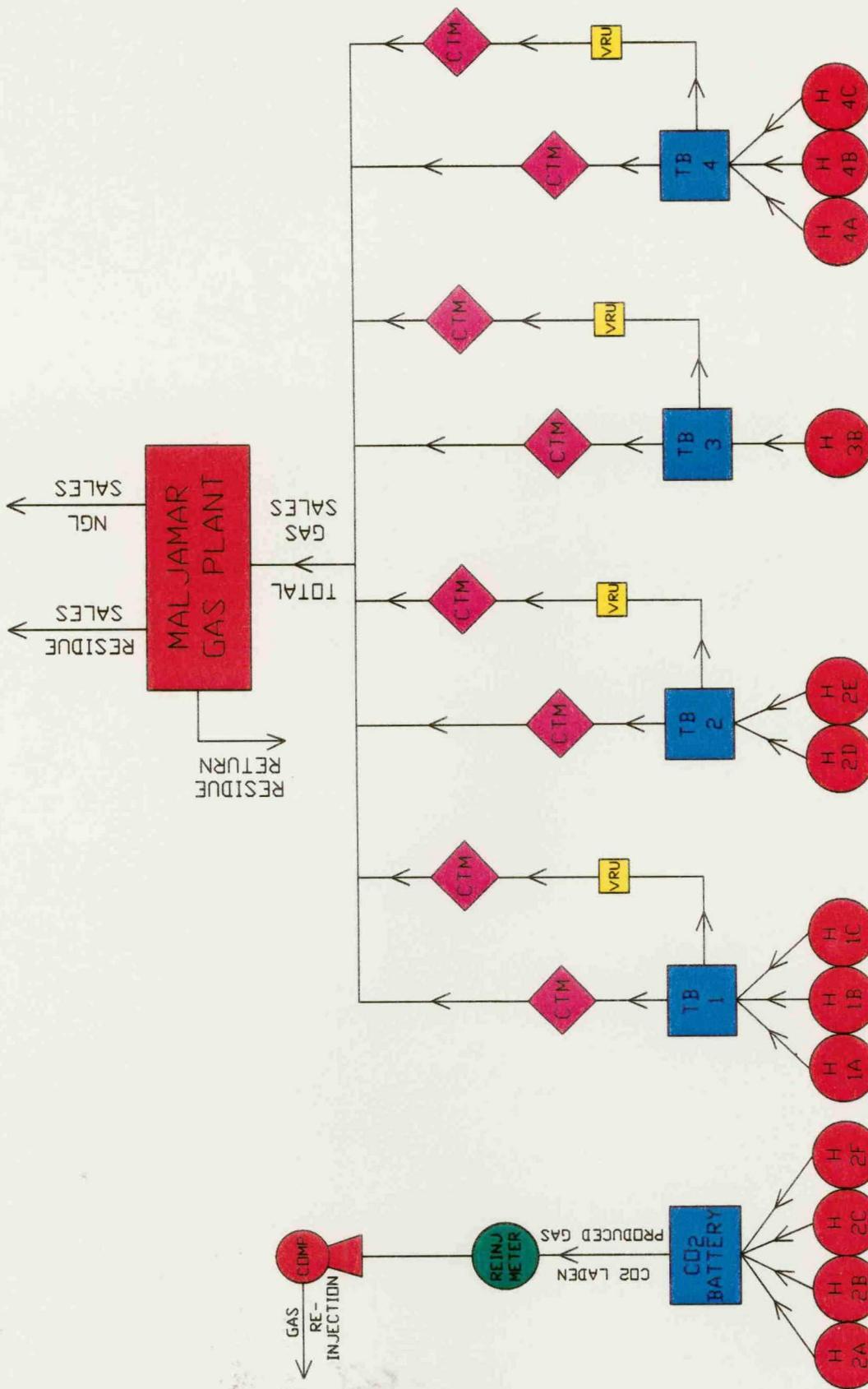
LEGEND

- CTM - CRUDE TRANSFER METER
- TB - TANK BATTERY
- VRU - VAPOR RECOVERY UNIT
- H - PRODUCTION HEADER
- COMP - COMPRESSOR

EXHIBIT 12

BEFORE EXAMINER  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 12  
CASE NO. 6580  
Submitted by Conoco Inc.  
Hearing Date 4-18-91

MCA UNIT POST-REINJECTION GAS SALES SCHEMATIC



LEGEND

- CTM - CRUDE TRANSFER METER
- TB - TANK BATTERY
- COMP - COMPRESSOR
- VRU - VAPOR RECOVERY UNIT
- H - PRODUCTION HEADER

EXHIBIT 13

BEFORE EXAMINER  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 13  
CASE NO. 6580  
Submitted by Conoco Inc.  
Hearing Date 4-18-91

MCA CO2 INJECTION PROJECT  
 RECYCLED GAS (STAGES 1 & 2)

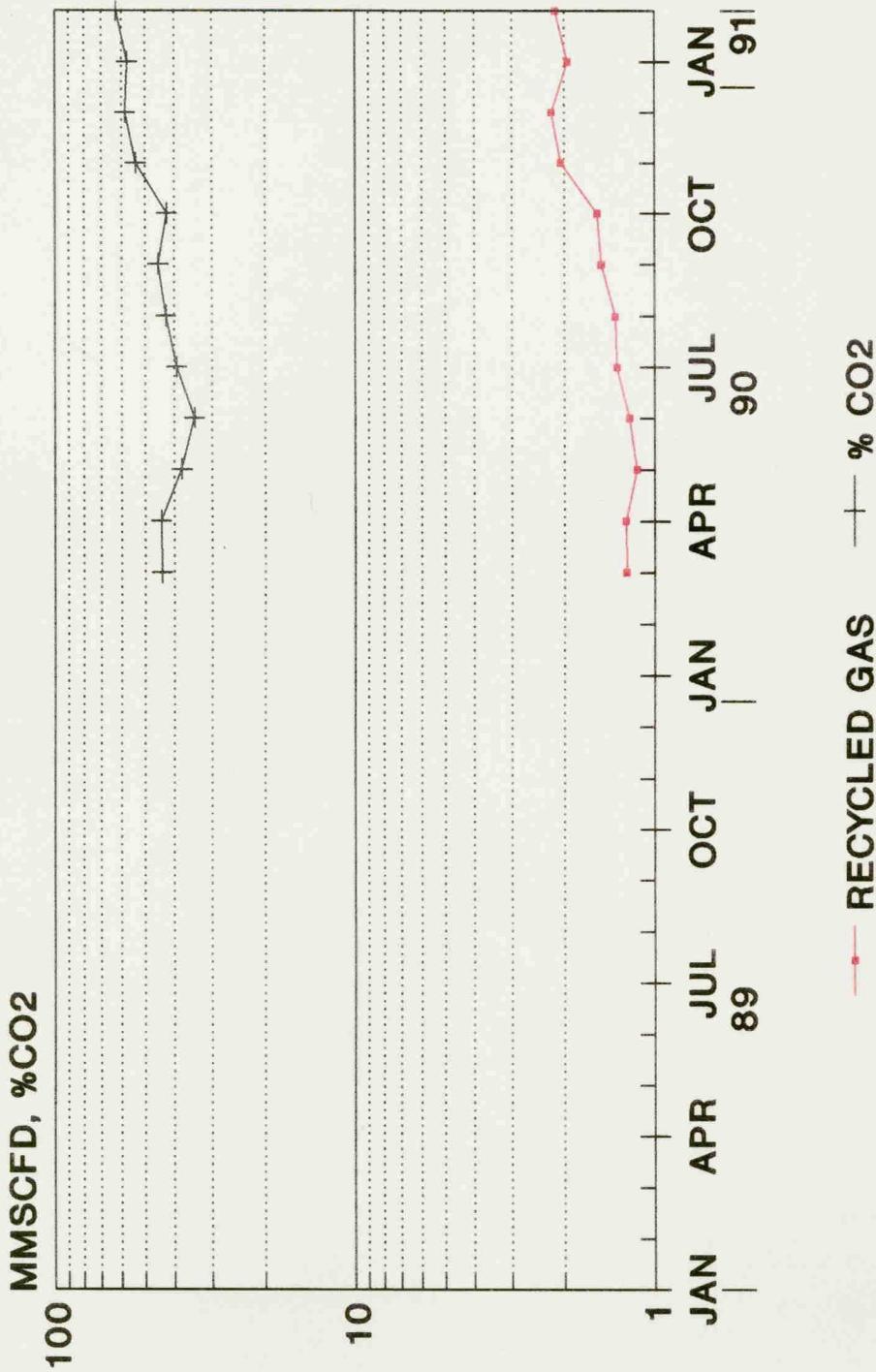


EXHIBIT 14

BEFORE EXAMINER  
 OIL CONSERVATION DIVISION

EXHIBIT NO. 14

CASE NO. 6580

Submitted by Conoco Inc.

Hearing Date 4-18-91

R-32-E

T 17 S

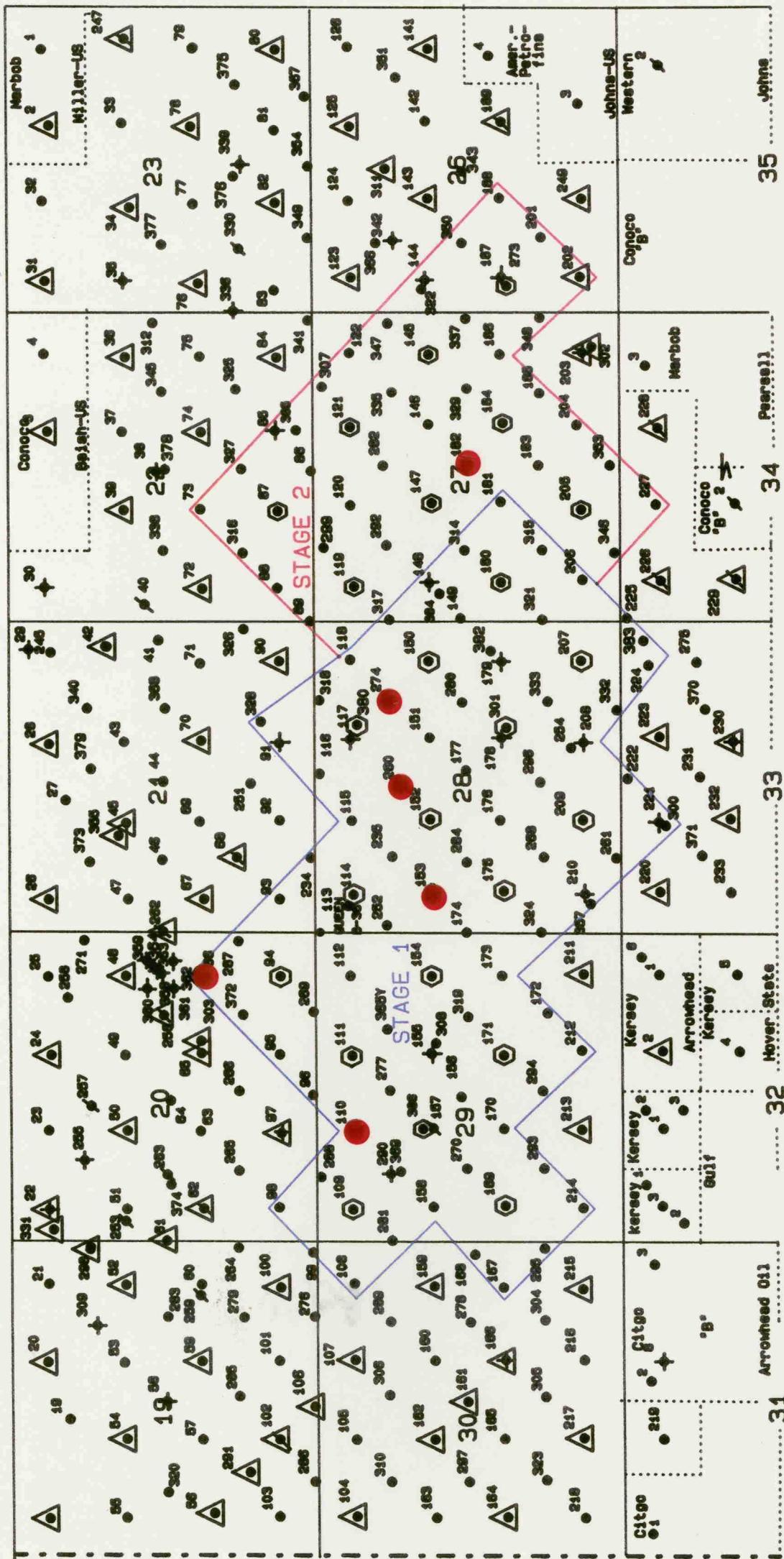


EXHIBIT 15



MCA UNIT

STAGE 1 & 2 CO2 PROJECT  
 ● > 50 MSCFD CO2

BEFORE EXAMINER  
 OIL CONSERVATION DIVISION  
 EXHIBIT NO. 15  
 CASE NO. 6580  
 Submitted by Conoco Inc.  
 Hearing Date 4-18-90

MCA CO2 PROJECT (STAGES 1 & 2)  
CO2 INJECTION REQUIREMENTS

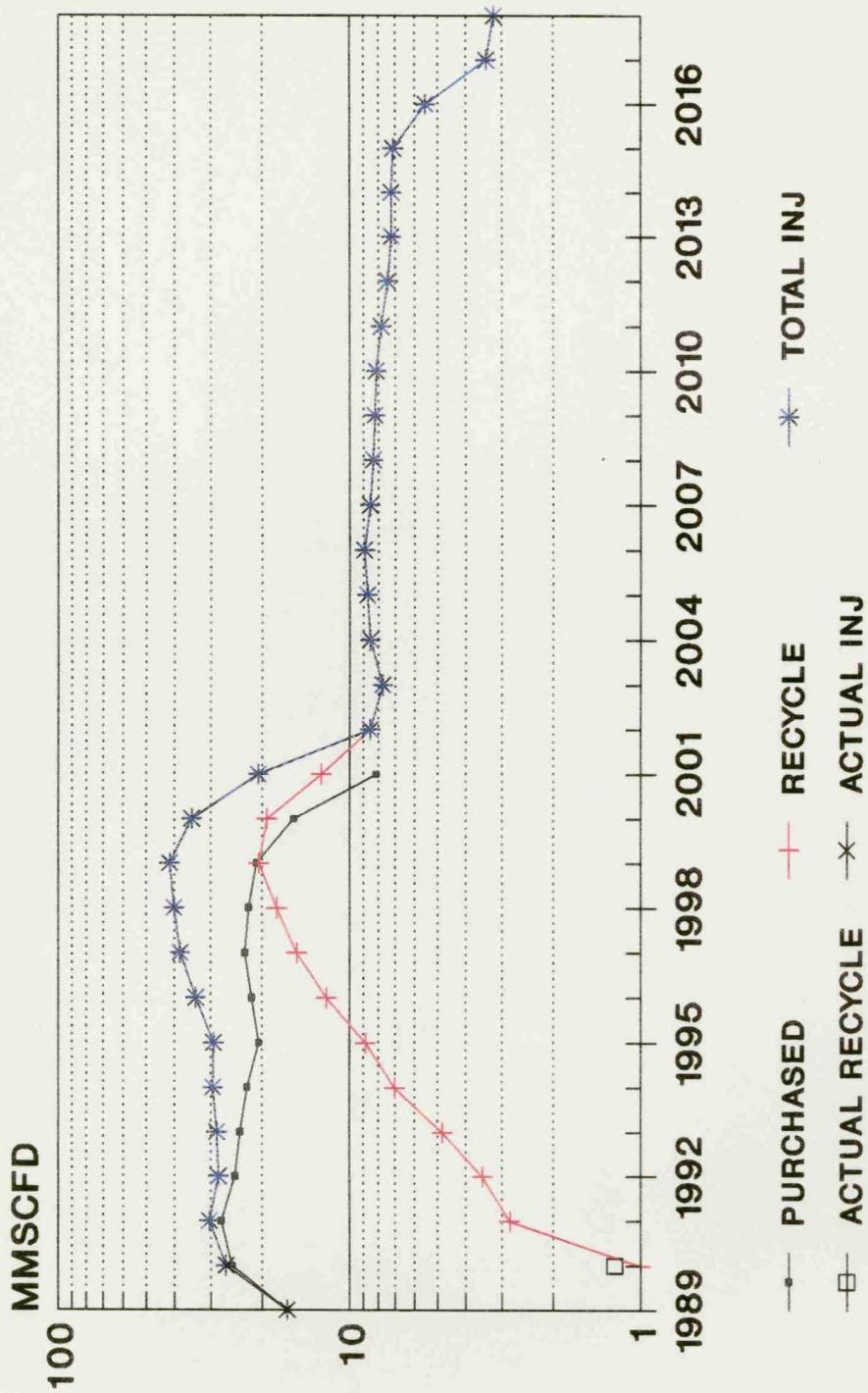


EXHIBIT 16

BEFORE EXAMINER  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 16  
CASE NO. 6580  
Submitted by Conoco Inc.  
Hearing Date 4-18-91

INJECTED CO<sub>2</sub> GAS ANALYSIS - FEBRUARY 1991

**MCA CO<sub>2</sub> Injection Project**

<u>Component</u>	<u>Cortez Pipeline Mole %</u>	<u>Recycle Mole %</u>	<u>Combined* Calc. Mole %</u>
CO <sub>2</sub>	98.22	69.57	95.56
C <sub>1</sub>	0.13	13.20	1.35
C <sub>2</sub>		5.58	0.52
C <sub>3</sub>		4.66	0.43
n-C <sub>4</sub>		1.73	0.16
i-C <sub>4</sub>		0.63	0.06
C <sub>5</sub> +		1.42	0.13
N <sub>2</sub>	1.65	1.84	1.67
O <sub>2</sub>		0.49	0.04
H <sub>2</sub> S		0.88	0.08
	100.00	100.00	100.00

\* Pipeline Rate = 20.6 MMSCFD  
 Recycle Rate = 2.1 MMSCFD  
 Total Rate = 22.7 MMSCFD

**EXHIBIT 17**

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>17</u>
CASE NO. <u>6580</u>
Submitted by <u>Conoco Inc</u>
Hearing Date <u>4-18-91</u>

MINIMUM MISCIBILITY PRESSURE (MMP) VS CO<sub>2</sub> CONTAMINENTS

MCA CO<sub>2</sub> INJECTION PROJECT

<u>CONCENTRATION, MOLE%</u>				<u>MMP, psig</u>	
<u>CO<sub>2</sub></u>	<u>N<sub>2</sub></u>	<u>C<sub>1</sub></u>	<u>C<sub>2</sub></u>	<u>MCA</u>	<u>PHILLIPS' E. VACUUM</u>
100				1,140	1,190
97	3				1,268 (+ 6.6%)
94	6				1,369 (+15.0%)
94		6			1,312 (+10.3%)
90		10		1,440e*	1,393 (+17.1%)
90	3	5	2		1,367 (+14.9%)

\* Estimated from Orr and Silva's Nov. 1987 paper in SPE Reservoir Engineering, p.489

EXHIBIT 18

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <b>18</b>
CASE NO. <b>6580</b>
Submitted by <u>Conoco Inc</u>
Hearing Date <u>4-18-91</u>



Midland Division  
Exploration and Production

Conoco Inc.  
10 Desta Drive West  
Midland, TX 79705-4514  
(915) 686-5400

March 18, 1991

To Operators and/or Interest  
Owners Within One Mile of the  
Maljamar CO<sub>2</sub> Injection Project,  
Lea County, New Mexico

Gentlemen:

Attached is a copy of Conoco's application requesting an NMOCD examiner hearing on the April 18, 1991 docket for the amendment of Order R-6157, which authorized the Maljamar MCA Unit CO<sub>2</sub> Injection Project and the reinjection of produced CO<sub>2</sub> gas. The purpose of this requested amendment is to authorize, retroactively, the injection of recycled produced CO<sub>2</sub> gas which also includes some hydrocarbon gasses in the injection stream.

The original order did not specifically authorize the reinjection of produced CO<sub>2</sub> which still contained some hydrocarbon gasses. The complete extraction of CO<sub>2</sub> from the produced gas stream to provide 100% pure CO<sub>2</sub> for reinjection has not proven to be an economic option in today's market. Therefore, the entire produced gas stream, which is 70% CO<sub>2</sub>, is dehydrated, compressed, and reinjected into the project.

At the suggestion of the NMOCD, Phillips Petroleum filed for the same amendment to their CO<sub>2</sub> injection order and received approval August 22, 1990. The NMOCD has similarly suggested that Conoco should file for this same clarification to its CO<sub>2</sub> injection order.

If you have no objection to this amendment of Order R-6157, to clarify and specifically authorize an already accepted practice by the NMOCD, please sign the attached waiver and return it in the enclosed postage paid envelope. If you have any questions regarding this application, please call Jerry W. Hoover at (915) 686-6548.

Very truly yours,

Jerry W. Hoover  
Regulatory Coordinator

JWH/tm

EXHIBIT 19

BEFORE EXAMINER OIL CONSERVATION DIVISION
EXHIBIT NO. <u>19</u>
CASE NO. <u>6580</u>
Submitted by <u>Conoco Inc.</u>
Hearing Date <u>4-18-91</u>

MALJAMAR CO<sub>2</sub> PROJECT

OFFSET OPERATOR & MCA WORKING INTEREST OWNERS LIST

OFFSET OPERATORS

American Exploration  
2100 Republic Bank Center  
Houston, TX 77002

Amoco  
P.O. Box 3092  
Houston, TX 77253

Anadarko  
P.O. Box 2497  
Midland, TX 79702

Antweil, Alan  
710 W. Marland  
Hobbs, NM 88240

Arrowhead Oil Corporation  
P.O. Box 548  
Artesia, NM 88210

Arco Oil & Gas  
P.O. Box 1610  
Midland, TX 79701

Aztec Petroleum Corp.  
8300 Douglas, Ste. 800  
Dallas, TX 75225

Beard Oil Company  
Enterprise Plaza, Ste. 200  
5600 N. May Ave.  
Oklahoma City, OK 73112

Belco Development  
10,000 Old Katy Rd., Ste. 100  
Houston, TX 77055

Brothers Production Co.  
407 N. Big Spring, Ste. 103  
Midland, TX 79701

Petroleum Corp.  
6612 S. 254th E Ave.  
Broken Arrow, OK, 74014

BTA Oil Producers  
104 S. Pecos  
Midland, TX 79701

Franklin, J.W.  
P.O. Box 792  
Kerrville, TX 78029

Hudson & Hudson  
616 Texas St.  
Fort Worth, TX 76102

Kersey & Company  
P.O. Box 316  
Artesia, NM 88210

Lynx Petroleum  
P.O. Box 1979  
Hobbs, NM 88241

Marathon Oil Co.  
P.O. Box 552  
Midland, TX 79702

Marbob Energy Corp.  
Drawer 217  
Artesia, NM 8210

Mobil Producing  
P.O. Box 633  
Midland, TX 79702

Emily Ray  
(Unable to locate)

Reading & Bates Petroleum  
2412 N. Grandview  
Odessa, TX 79761

Shell Western  
P.O. Box 576  
Houston, TX 77001

Western Oil Producers  
P.O. Box 1498  
Roswell, NM 88201

Yates Petroleum  
H. E. Yates  
P.O. Box 1922  
Roswell, NM 88202

H. E. Yates  
P.O. Box 1922  
Roswell, NM 88202

MCA WORKING INTEREST OWNERS

Fina  
P.O. Box 2990  
Midland, TX 79705

OXY USA  
P.O. Box 50250  
Midland, TX 79710

Mr. Thomas Neal Cockburn  
P.O. Box 2531  
Austin, TX 78678

Mr. Richard L. Ray, Trustee  
P.O. Box 689  
Tyler, TX 75701

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
American Exploration  
2100 Republic Bank Center  
Houston, TX 77002

4. Article Number  
P 200 124 052

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X

6. Signature - Agent  
X *[Signature]*

7. Date of Delivery  
MAR 22 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Amoco  
P.O. Box 3092  
Houston, TX 77253

4. Article Number  
P 200 124 053

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X

6. Signature - Agent  
X *[Signature]*

7. Date of Delivery  
MAR 22 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Anadarko  
P.O. Box 2497  
Midland, TX 79702

4. Article Number  
P 200 124 054

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X

6. Signature - Agent  
X *[Signature]*

7. Date of Delivery  
MAR 21 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Alan Antweil  
710 W. Marland  
Hobbs, NM 88240

4. Article Number  
P 200 124 055

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X *[Signature]*

6. Signature - Agent  
X

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Arrow Oil & Gas  
P.O. Box 1160  
Midland, Tx 79701

4. Article Number  
P 200 124 031

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X *[Signature]*

6. Signature - Agent  
X

7. Date of Delivery  
MAR 25 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Arrowhead Oil Corporation  
P.O. Box 548  
Artesia, NM 88210

4. Article Number  
P 200 124 031

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X

6. Signature - Agent  
X *[Signature]*

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Aztec Petroleum Corp.  
8300 Douglas, Ste. 800  
Dallas, TX 75225

4. Article Number  
P 200 124 032

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X

6. Signature - Agent  
X *[Signature]*

7. Date of Delivery  
MAR 22 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Beard Oil Company  
Enterprise Plaza, Ste. 200  
5600 N. May Ave.  
Oklahoma City, OK 73112

4. Article Number  
P 200 124 033

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X *[Signature]*

6. Signature - Agent  
X *[Signature]*

7. Date of Delivery  
3/21/91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 \* U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

EXHIBIT 20

BEFORE EXAMINER  
OIL CONSERVATION DIVISION  
EXHIBIT NO. 20  
CASE NO. 6580  
Submitted by Conoco Inc.  
Hearing Date 4-18-91

P 206 124 034

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

SENT TO P.O. BOX 1000 KAY RD. SR 100 HUSTON, TX 77065	<input type="checkbox"/> REGISTERED <input checked="" type="checkbox"/> CERTIFIED <input type="checkbox"/> EXPRESS MAIL <input type="checkbox"/> INSURED <input type="checkbox"/> COD <input type="checkbox"/> RETURN RECEIPT FOR MERCHANDISE
SPECIAL DELIVERY RESTRICTED DELIVERY SHOW TO WHOM AND DATE DELIVERED SHOW TO WHOM, DATE AND ADDRESS OF RETURN SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY SHOW TO WHOM, DATE AND ADDRESS OF RETURN WITH RESTRICTED DELIVERY	RETURN RECEIPT SERVICE OPTIONAL SERVICES CONSULT POSTMASTER FOR FEES
(CERTIFIED FEE)	TOTAL POSTAGE AND FEES
POSTMARK OR DATE	

PS Form 3800, Apr. 1976

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Brothers Production Co.  
407 N. Big Spring, Ste. 103  
Midland, TX 79701

4. Article Number  
P 206 124 035

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X

6. Signature — Agent  
X *Debra Ann Dora*

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
BTA Oil Producers  
104 S. Pecos  
Midland, TX 79701

4. Article Number  
P 206 124 037

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X

6. Signature — Agent  
X *[Signature]*

7. Date of Delivery  
MAR 20 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Franklin, J. W.  
P.O. Box 792  
Kerrville, TX 78029

4. Article Number  
P 206 124 038

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X *[Signature]*

6. Signature — Agent  
X

7. Date of Delivery  
3/26/91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Hudson & Hudson  
616 Texas St.  
Fort Worth, TX 76102

4. Article Number  
P 206 124 039

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X

6. Signature — Agent  
X *[Signature]*

7. Date of Delivery  
MAR 21 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Kersey & Company  
P.O. Box 316  
Artesia, NM 88210

4. Article Number  
P 206 124 040

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X *[Signature]*

6. Signature — Agent  
X

7. Date of Delivery  
5-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Lynx Petroleum  
P.O. Box 1979  
Hobbs, NM 88241

4. Article Number  
P 206 124 041

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X *[Signature]*

6. Signature — Agent  
X

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Marathon Oil Co.  
P.O. Box 552  
Midland, TX 79702

4. Article Number  
P 206 124 042

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X

6. Signature — Agent  
X *[Signature]*

7. Date of Delivery  
MAR 21 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Marbob Energy Corp.  
Drawer 217  
Artesia, NM 88210

4. Article Number  
P 206 124 043

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X *[Signature]*

6. Signature — Agent  
X

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Mobile Fueling  
P.O. Box 633  
Midland, TX  
79702

4. Article Number  
P 654 191 915

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee  
X

6. Signature — Agent  
X *[Signature]*

7. Date of Delivery  
MAR 25 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 • U.S.G.P.O. 1989-228-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Petroleum Corp.  
6612 S. 254th E. Ave.  
Broken Arrow, OK 74014

4. Article Number  
P 206 124 030

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X

7. Date of Delivery  
3-21-91

8. Addressee's Address (ONLY if requested and fee paid)  
3-1

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Reading & Bates Petroleum  
2412 N. Grandview  
Odessa, TX 79761

4. Article Number  
P 206 124 044

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)  
Rom

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Shell Western  
P.O. Box 576  
Houston, TX 77001

4. Article Number  
P 206 124 031

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
MAR 25 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Western Oil Producers  
P.O. Box 1498  
Roswell, NM 88201

4. Article Number  
P 206 124 045

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
H. E. Yates  
P.O. Box 1922  
Roswell, NM 88202

4. Article Number  
P 206 124 047

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
3-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Yates Petroleum Building  
105 S. Fourth St.  
Artesia, NM 88210

4. Article Number  
P 206 124 046

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
03-20-91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Fina  
P.O. Box 2990  
Midland, TX 79705

4. Article Number  
P 206 124 048

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
MAR 20 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Mr. Thomas Neal Cockburn  
P.O. Box 2531  
Austin, TX 78678

4. Article Number  
P 206 124 050

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
MAR 25 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
OXY USA  
P.O. Box 50250  
Midland, TX 79710

4. Article Number  
P 206 124 049

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
3/20/91

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. 2.  Restricted Delivery (Extra charge)

3. Article Addressed to:  
Mr. Richard L Ray, Trustee  
P.O. Box 689  
Tyler, TX 75701

4. Article Number  
P 206 124 051

Type of Service:  
 Registered  Insured  
 Certified  COD  
 Express Mail  Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
X [Signature]

6. Signature - Agent  
X [Signature]

7. Date of Delivery  
MAR 25 1991

8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989 U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

WAIVER TO OBJECTION

We, the undersigned, as an offset operator or interest owner, waive any objection to the above described application by Conoco for NMOCD approval of an amendment to Order R-6157 authorizing CO<sub>2</sub> injection in Conoco's MCA CO<sub>2</sub> Injection Project located in Lea County, New Mexico.

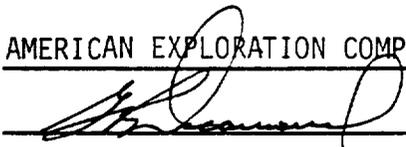
Company or Name: AMERICAN EXPLORATION COMPANY  
Signature:   
Title: G. R. DIAMOND  
LAND MANAGER - OPERATIONS  
Date: 3/22/91

EXHIBIT 21

BEFORE EXAMINER OIL CONSERVATION DIVISION EXHIBIT NO. <u>21</u> CASE NO. <u>6580</u> Submitted by <u>Conoco Inc.</u> Hearing Date <u>4-18-91</u>
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CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name:

Arrowhead Oil Corporation

Signature:

Mark C. Chew

Title:

President

Date:

March 27, 1991

**CONOCO, INC.**  
**10 Desta Drive, Ste. 100W**  
**Midland, TX 79705**

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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**Company or Name:** BEARD OIL COMPANY  
**Signature:**   
**Title:** Ivan D. Allred, Jr.  
Vice President  
**Date:** March 21, 1991

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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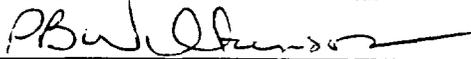
Company or Name: Brothers Production Co.  
Signature: Kyle A. Moberg  
Title: Engineer  
Date: 3/20/91

**CONOCO, INC.**  
**10 Desta Drive, Ste. 100W**  
**Midland, TX 79705**

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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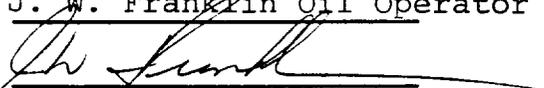
**Company or Name:** BTA Oil Producers  
**Signature:**   
**Title:** Exploitation Manager  
**Date:** March 22, 1991

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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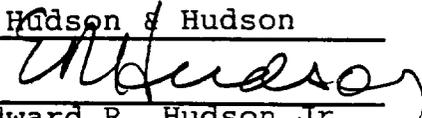
Company or Name: J. W. Franklin Oil Operator  
Signature:   
Title: Owner  
Date: Mar. 29, 1991

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name: Hudson & Hudson  
Signature:   
Title: Edward R. Hudson, Jr.  
Joint Owner  
Date: March 21, 1991

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name: Kersey & Co.  
Signature: Harold Kersey  
Title: OWNER  
Date: 3-20-91

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name: Lynx Petroleum Consultants Inc.  
Signature: Marc L. Wise  
Title: President  
Date: 3/21/91

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name: Mark C. Chess  
Signature: MARBOR ENERGY CORP.  
Title: PRESIDENT  
Date: MARCH 26, 1991

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name: GYX USA INC  
Signature: Edward / Behf For R. D. Hunt  
Title: Lead Res Eng Eng. Mgr.  
Date: 3/27/91

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name:

READING & BATES / RAMCO

Signature:

[Handwritten Signature]

Title:

AREA MGR

Date:

3-21-91

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name: Winter Oil Producers Inc.  
Signature: R. H. Hanks  
Title: V.P.  
Date: 3/25/91

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name:

Harvey E. Gates Co.

Signature:

Ray H. Doherty

Title:

Prod. Mgr / Eng.

Date:

3-20-91

CONOCO, INC.  
10 Desta Drive, Ste. 100W  
Midland, TX 79705

Application for amendment of Order R-6157 to authorize, retroactively, the injection of recycled produced gas, which includes about 70% CO<sub>2</sub> plus hydrocarbon gasses, in the Maljamar MCA Unit CO<sub>2</sub> Injection Project.

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Company or Name:

Richard L. Ray Trustee

Signature:

Richard L. Ray

Title:

\_\_\_\_\_

Date:

3-28-91

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED  
BY THE OIL CONSERVATION DIVISION  
FOR THE PURPOSE OF CONSIDERING:

APPLICATION FOR CONOCO INC. FOR  
AMENDMENT OF DIVISION ORDER NO.  
R-6157 AND DIVISION ADMINISTRATIVE  
ORDER PMX-153, MALJAMAR CARBON  
DIOXIDE INJECTION PROJECT,  
LEA COUNTY, NEW MEXICO

BEFORE THE OIL CONSERVATION DIVISION  
Oil Conservation Division  
Conoco Exhibit No. 22  
Case No. 6580

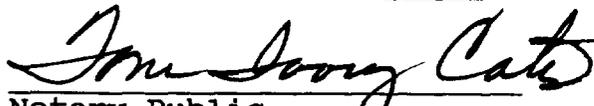
CASE NO. 6580  
(REOPENED)

CERTIFICATE OF MAILING  
AND  
COMPLIANCE WITH ORDER R-8054

In accordance with Division Rule 1207 (Order R-8054) I hereby certify that on March 29, 1991, I caused to be mailed by certified mail return-receipt requested notice of this April 18, 1991 hearing and a copy of the application for the above referenced case along with the cover letter to the parties shown in the application as evidenced by the attached copies of return receipt cards.

  
W. Thomas Kellahin

SUBSCRIBED AND SWORN to before me this 17 day  
of April, 1991.

  
Notary Public

My Commission Expires:

7-6-91

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: BLM Post Office Box 1397 Roswell, New Mexico 88201 Conoco Maljamar WTK	4. Article Number P 676 666 262 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee 	Always obtain signature of addressee or agent and DATE DELIVERED.
6. Signature - Agent 	8. Addressee's Address (ONLY if requested and fee paid)
Date of Delivery	RECEIVED APR 02 1989 8.20

Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
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Show to whom delivered, date, and addressee's address. (Extra charge) 2.  Restricted Delivery (Extra charge)

3. Article Addressed to: Commissioner of Public Lands Post Office Box 1148 Santa Fe, New Mexico 87504 ATTN: Floyd Prondo Conoco Maljamar WTK	4. Article Number P 676 666 261 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Addressee 	Always obtain signature of addressee or agent and DATE DELIVERED.
6. Signature - Agent	8. Addressee's Address (ONLY if requested and fee paid)
Date of Delivery	

S Form 3811, Apr. 1989 \*U.S.G.P.O. 1989-238-815 DOMESTIC RETURN REC